

WORLD INTELLECTUAL PROPERTY ORGANIA International Bureau

A1



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

F16L 59/12

(11) International Publication Number:

WO 00/05533

(43) International Publication Date:

3 February 2000 (03.02.00)

(21) International Application Number:

PCT/AU99/00562

(22) International Filing Date:

8 July 1999 (08.07.99)

(30) Priority Data:

PP 4832

23 July 1998 (23.07.98)

ΑU

(71) Applicant (for all designated States except US): BAINS HARDING LIMITED [AU/AU]; 21 King Edward Road, Osborne Park, W.A. 6017 (AU).

(72) Inventors; and

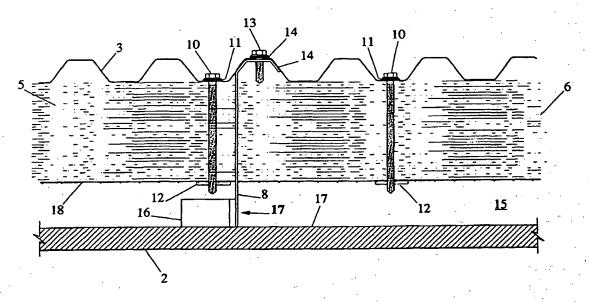
(75) Inventors'Applicants (for US only): KEENAN, Brian [AU/AU]; 18 St. Michaels Terrace, Mt. Pleasant, W.A. 6153 (AU). VUJIC, Milivoj [AU/AU]; 24 Wheyland Street, Willagee, W.A. 6156 (AU).

(74) Agent: WATERMARK PATENT & TRADEMARK ATTOR-NEYS; Durack Centre, 4th Floor, 263 Adelaide Terrace, Perth, W.A. 6000 (AU). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(54) Title: INSULATION MODULE FOR VESSELS



(57) Abstract

Described is an insulation module (1) for a vessel (2) used in a chemical plant. The module may take the form of a panel having an outer surface layer (3) and an insulation layer (5) secured to the outer surface layer (3). Mounting means (10) extends from the panel (1) and enables mounting of the insulation module (1) on an outer wall (2) of the vessel. An air gap (15) is provided between the insulation layer (3) and the outer vessel wall (2) when the insulation module is mounted (1) on the vessel (2).

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

| Į. | | | | | | • | | |
|----|--------------------------|--------|---------------------|-------|----|-----------------------|----|--------------------------|
| AL | Albania | ES . | Spain | | LS | Lesotho | SI | Slovenia |
| AM | Armenia | FI | Finland | | LT | Lithuania | SK | Slovakia |
| AT | Austria | FR | France | | LU | Luxembourg | SN | Senegal |
| AU | Australia | GA | Gabon | | LV | Latvia | SZ | Swaziland |
| AZ | Azerbaijan | GB | United Kingdom | | MC | Monaco | TD | Chad |
| BA | Bosnia and Herzegovina | GE | Georgia | | MD | Republic of Moldova | TG | Togo |
| ВВ | Barbados | GH | Ghana | · . · | MG | Madagascar | TJ | Tajikistan |
| BE | Belgium | GN | Guinea | | MK | The former Yugoslav | TM | Turkmenistan |
| BF | Burkina Faso | GR | Greece | | | Republic of Macedonia | TR | Turkey |
| BG | Bulgaria | · HU . | Hungary | | ML | Mali | TT | Trinidad and Tobago |
| BJ | Benin | - IE | . Ireland | | MN | Mongolia | UA | Ukraine |
| BR | Brazil | iL | Israel | | MR | Mauritania | UG | Uganda |
| BY | Belarus | . IS | Iceland | . : | MW | Malawi | US | United States of America |
| CA | Canada | rt · | Italy | | MX | Mexico | UZ | Uzbekistan |
| CF | Central African Republic | JP | Јарал | • | NE | Niger | VN | Viet Nam |
| CG | Congo | KE | Kenya | | NL | Netherlands | YU | Yugoslavia |
| CH | Switzerland | KG | Kyrgyzstan | | NO | Norway | zw | Zimbabwe |
| CI | Côte d'Ivoire | KP | Democratic People's | | NZ | New Zealand | | |
| СМ | Cameroon | | Republic of Korea | | PL | Poland | • | |
| CN | China | · KR | Republic of Korea | | PT | Portugal | • | |
| CU | Cuba . | KZ | Kazakstan | | RO | Romania | | _ |
| cz | Czech Republic | LC | Saint Lucia | | RU | Russian Federation | • | |
| DE | Germany | LI | Liechtenstein | | SD | Sudan | | • |
| DK | Denmark | LK | Sri Lanka | | SE | Sweden | | · |
| EE | Estonia | LR | Liberia | | SG | Singapore | | |